

228-360

7/23/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JUL 23 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Russell F. Sawyer
Regulatory Affairs Manager
Nufarm Americas, Inc.
Riverdale - A Nufarm Company
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60527-0866

Dear Mr. Sawyer:

Subject: Riverdale 2,4-D Technical Acid
Registration No. 228-360
Application and Letter Dated April 22, 2003, Request
to Amend Registration To Add Maximum Use Rates for
Forestry and Non-Crop Sites To Label

The labeling referred to above, associated with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that the "implementation paragraph", required under the 2,4-D Exposure Reduction Agreement of 1992, is revised as indicated in **bold** as follows:

"This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June 15, 1994 must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic), manufactured after October 23, 1993 must bear the revised label language below. **All products released for shipment on or after October 1, 2005 must bear revised labeling complying with the maximum application rates for general non-crop sites; tree, brush and woody plant control on rights-of-way; and forestry use patterns other than site preparation, if registered for such uses.**"

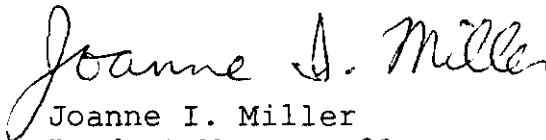
In addition, this label is accepted with the following stipulation: "The Agency is accepting the labeling changes based on your certification that no additional changes, aside from the maximum use rates for forestry and non-crop sites, have been made to the label. **Any other labeling changes submitted in connection with this amendment application have not been reviewed or accepted by the Agency.** If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way."

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 6(e). Your release for shipment of this product under this labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. **When this technical or manufacturing use product is released for shipment on or after August 1, 2004, it must bear this revised labeling.** Please submit one copy of the final printed label before you release the product for shipment.

Sincerely yours,



Joanne I. Miller
Product Manager 23
Herbicide Branch
Registration Division (7505C)

Enclosure

RIVERDALE

JUL 23 2003

2,4-D Technical Acid

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

228-360

ACTIVE INGREDIENT:		
2,4-Dichlorophenoxyacetic Acid*	95.0%	
INERT INGREDIENTS:	5.0%	
TOTAL	100.0%	

*Isomer specific by AOAC Method

FOR MANUFACTURE OF HERBICIDES ONLY

KEEP OUT OF REACH OF CHILDREN • DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

- IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- IF SWALLOWED:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This pesticide may be used only for the formulation of a herbicide. Formulators using this product are responsible for obtaining EPA registrations for their formulated products.

Only for formulation into a herbicide for the following:

1.

AGRICULTURAL CROPS

Corn
Sorghum
Rice
Wheat
Barley
Rye

Oats
Grasses - annual
Grasses - perennial
Sugarcane
Soybeans

TERRESTRIAL NONFOOD CROPS

Ornamental trees, shrubs and vines
Lawn and turf grasses
Uncultivated agricultural areas
Uncultivated nonagricultural areas
General soil treatment

Recreation areas
Industrial sites
Paved areas
Outdoor areas

AQUATIC SITES

Agricultural irrigation water and ditches
Agricultural drainage water and ditches
Lakes, ponds and impounded water
Streams, rivers and canals
Industrial ponds

Swamps, marshes, wetlands
Estuaries, tidal marshes
Commercial & sport fish
bearing waters

FORESTRY SITES

Forest trees, plantings

Forest tree nurseries

2. Uses for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration.*
3. Uses for experimental purposes that are in compliance with U.S. EPA requirements.*

*NOTICE: RIVERDALE makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to these uses of the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage.

This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June 15, 1994, must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic), manufactured after October 23, 1993, must bear the revised label language below.

GENERAL REQUIREMENTS FOR END-USE PRODUCT LABELING

1. Containers over 1 gallon and less than 5 gallons in capacity must bear the following statement: "Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron."
2. Containers of 5 gallons or more in capacity must also bear the following statement: "Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal."

SPECIFIC REQUIREMENTS FOR END-USE PRODUCT LABELING**1. FOR AGRICULTURAL USES**

- a. Clothing Requirement Statements: "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in enclosed cockpits

and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."

- b. Personal Hygiene Statements: "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to pasture and rangeland is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application per site.
- d. The maximum application rate to forestry site preparation is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application per site. The maximum application rate to all forestry sites is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site.
- e. A reentry interval is required and should be in accordance with the Worker Protection Standards, 40 CFR Parts 156 and 170.

2. FOR INDUSTRIAL/AQUATIC USES

- a. Clothing Requirement Statements: "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in enclosed cockpits and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."
- b. Personal Hygiene Statements: "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to general non-crop sites is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application site. The maximum non-crop application rate for tree, brush and woody plant control on rights-of-way is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site. The maximum seasonal application rate to non-crop sites is 4 pounds 2,4-D acid equivalent per acre per application site.

3. FOR RESIDENTIAL AND TURF USES

- a. Clothing Requirement Statements: 1) For All Granular Products: "When using this product, wear long-sleeved shirt, long pants, socks and shoes"; 2) For Homeowners and other non-commercial users of liquid 2,4-D products, and for commercial mixer/loader/applicators of liquid 2,4-D products when the product is to be applied to a golf course: a) For Amine Liquid Products carrying "CAUTION" signal word: "When using this product, wear long-sleeved shirt, long pants, socks, shoes and rubber gloves."; b) For Amine Liquid Products carrying "WARNING" or "DANGER" signal word: "When using this product, wear long-sleeved shirt, long pants, socks, shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection."; c) For Acid, Sodium

Salt and Ester Liquid Products carrying "CAUTION" signal word: "When using this product, wear long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves."; d) For Acid, Sodium Salt and Ester Liquid Products carrying "WARNING" or "DANGER" signal word: "When using this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection." 3) For Commercial mixer/loader/applicators of liquid 2,4-D products, except when the product is to be applied to a golf course: a) For products carrying "CAUTION" signal word: "When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves."; b) For products carrying "WARNING" or "DANGER" signal word: "When mixing, loading or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection."

- b. Personal Hygiene Statements: 1) For All Granular Products: "After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water."; 2) For All Liquid Products; "After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to turf is the lower of 1) existing application rate on your currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications** per treatment site is 2 per year. **One application may be defined as treating the entire area in two passes at the half rate each time (i.e. crisscrossing from end to end and then side to side).
- d. The following reentry statement must be included: "Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled."

STORAGE AND DISPOSAL

STORAGE: Always use original container to store pesticides in a cool, dry secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Place in closed labeled container. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulating equipment. Then dispose of bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE: Seller makes no warranty expressed or implied concerning the use of this product other than indicated on this label. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

(RV 042203)

NET WEIGHT

EPA REG. NO. 228-360

EPA EST. NO. 35935-AU-1

Product of Australia
MANUFACTURED BY
RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584